09/786855

INFORMATION DISCLOSU[illegible]CITATION

(Use several sheets if nec[illegible])

Docket Number (Optional)	Application Number
113197[illegible]	Unknown
Applicant(s) Matsuo et al. [illegible]02 Rec'd PCT/PTO 0 9 MAR 2001	
Filing Date Herewith	**Group Art Unit** Unknown

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MPM	A1	5,684,909	11/4/97	Liu			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES	Translation NO
MPM	A2	WO 97/33188	9/12/97	PCT			✓	
	A3	2,229,280	8/12/98	Canada			✓	
	A4	EP 0 859 247 A2	8/19/98	Europe			✓	
	A5	10-246830	9/14/98	Japan				✓
MPM	A6	11-72640	3/16/99	Japan				✓

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

MPM	A7	Bhagavatula, V.A. et al., "Dispersion-shifted single-mode fiber for high-bit-rate and multiwavelength systems," OFC '95 Technical Digest, (1995), pp 259-260.
MPM	A8	Nouchi, P. et al., "New Dispersion Shifted Fiber With Effective Area Larger Than 90 m ," 22nd European Conference on Optical Communication, September 15-19, 1996, MoB.3.2, pp1.49-1.52.

EXAMINER	DATE CONSIDERED
[signature]	7/28/03

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09/786855

INFORMATION DISCLOSURE CITATION *(Use several sheets if necessary)*	ATTY DOCKET NO. 113197	SERIAL NO. Unknown
	Matsuo et al.	02 Rec'd PCT/PTO 09 MAR 2001
	FILING Herewith	GROUP Unknown

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
MPH	B1	11-506228	6/2/99	Japan				✓
	B2	WO 99/30193	6/17/99	PCT				✓
	B3	11-167038	6/22/99	Japan				✓
	B4	718167	6/28/99	Australia			✓	
MPH	B5	11-223741	8/17/99	Japan				✓

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MPH		B6	Himeno, K. et al., "Splice Loss of Large Effective Area Fiber and Its Reduction by Mode Field Conversion," ECOC 97, 22-25 September 1997, Conference Publication No. 448, pp 131-134.
MPH		B7	Nouchi, P., "Maximum effective area for non-zero dispersion-shifted fiber," OFC '98 Technical Digest, pp 303-304.

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	6/28/03

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	ATTY DOCKET NO. 113197	SERIAL NO. Unknown
	Matsuo et al.	Rec'd PCT/PTO 09 MAR 2001
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
MPM	C1	0 959 374 A1	11/24/99	Europe			✓	

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MPM	C2	Hirano, M. et al., "Ring-Core Type Dispersion Shifted Fiber with Low Dispersion Slope," Proceedings of the 1998 IEICE General Conference, March 27-30, 1998, p 223.
MPM	C3	Liu, Y. et al., "Single-Mode Dispersion-Shifted Fibers with Effective Area Over 100 μm^2," ECOC '98, September 20-24, 1998, p 41-42.

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	6/28/03

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09/786855

INFORMATION DISCLOSU[redacted]CITATION *(Use several sheets if nec[redacted])*	Docket Number (Optional) 113197[redacted]	Application Number Unknown
	Applicant(s) Matsuo et al. [redacted]02 Rec'd PCT/PTO 0 9 MAR 2001	
	Filing Date Herewith	Group Art Unit Unknown

*EXAMINER INITIAL		OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*
MAM	D1	Belov, A.V., "Profile structure of single-mode fibers with low nonlinear properties for long-haul communication lines," Optics Communications, 161 (1999) pp 212-216.

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P09B/REV04

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

OIPE
MAY 2 1 2001
PATENT & TRADEMARK OFFICE

Docket Number (Optional)	Application Number
113197	09/786,855
Applicant(s)	
Matsuo, S., et al.	
Filing Date	**Group Art Unit**
March 9, 2001	2874

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	~~CLASS~~	SUBCLASS	Translation YES	Translation NO
MPW		10-239550	9-11-98	Japan				
		10-293225	11-4-98	Japan				
MPW		11-119046	4-30-99	Japan				

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INFORMATION DISCLOSURE CITATION

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OIPE JUL 23 2001 PATENT & TRADEMARK OFFICE

ATTY DOCKET NO.	SERIAL NO.
113197	09/786,855
Matsuo, et al.	
FILING	GROUP
March 9, 2001	2874

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	~~CLASS~~	~~SUBCLASS~~	FILING DATE IF APPROPRIATE
MPM		5,559,921	9-24-96	Terasawa et al.			
		5,659,649	8-19-97	Nouchi et al.			
		5,675,688	10-7-97	Nouchi et al.			
		5,715,346	2-3-98	Liu			
		5,852,701	12-22-98	Kato et al.			
		5,963,700	10-5-99	Kato et al.			
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MPM		6,084,993	7-4-00	Mukasa			

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MPM		1-169410	7-4-89	Japan				
		1-224706	9-7-89	Japan				
		6-11620	1-21-94	Japan				
		0 689 068 A1	12-27-95	Europe				
MPM		8-5855	1-12-96	Japan				

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MPM		Kato, T. et al., "Low nonlinearity dispersion-shifted fibers employing dual-shaped core profile with depressed cladding," OFC '97 Technical Digest, p. 66
MPM		Namihira, Y. et al., "Large Effective Area Dispersion Shifted Fibers with Depressed Cladding for WDM Transmission," APCC/OECC '99 Conference, Oct. 18-22, 1999, pp. 1557-1580

EXAMINER	DATE CONSIDERED
Mark P. Mayo	6/29/03

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OIPE C11 JUL 23 2001 PATENT & TRADEMARK OFFICE

ATTY DOCKET NO.	SERIAL NO.
113197	09/786,855
Matsuo, et al.	
FILING: March 9, 2001	GROUP: 2874

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
MPM		WO 96/07942	3-14-96	PCT				
		8-160241	6-21-96	Japan				
		8-220362	8-30-96	Japan				
		EP 0 749 024 A2	12-18-96	Europe				
MPM		EP 0 779 524 A2	6-18-97	Europe				

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MPM		Namihira, Y. et al., "Low Nonlinear Optical Fibers for WDM Transmission, "Technical research report of the Institute of Electronics, Information and Communication Engineers, May 1999, Vol. 99, No. 90 (OCS99-19), pp. 61-66
MPM		Kato, T. et al., "Dispersion Shifted Fiber for WDM Transmission, "Technical research report of the Institute of Electronics, Information and Communication Engineers, Nov. 1996, Vol. 96, No. 339 (OCS96-58), pp. 43-48

EXAMINER	DATE CONSIDERED
	6/24/03

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ATTY DOCKET NO.	SERIAL NO.
113197	09/786,855
Matsuo, et al.	
FILING: March 9, 2001	GROUP: 2874

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
MPK		EP 0 789 257 A1	8-13-97	Europe				
		9-218318	8-19-97	Japan				
		9-274118	10-21-97	Japan				
		9-281354	10-31-97	Japan				
MPK		9-288220	11-4-97	Japan				

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113197	09/786,855
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FILING: March 9, 2001	GROUP: 2874

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
MPM		10-062640	3-6-98	Japan				
		2,225,889	6-27-98	Canada				
		EP 0 851 245 A2	7-1-98	Europe				
		1186250A	7-1-98	China				
MPM		EP 0 862 069 A2	9-2-98	Europe				

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ATTY DOCKET NO.	SERIAL NO.
113197	09/786,855
Matsuo, et al.	
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
MPM		10-300966	11-13-98	Japan				
		2,246,473	3-10-99	Canada				
		2 768 233	3-12-99	France				
		11-84158	3-26-99	Japan				
MPM		11-119045	4-30-99	Japan				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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	6/25/03

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PRE-EXAM 11
JUL 23 2001
PATENT & TRADEMARK OFFICE

Docket Number (Optional)	Application Number
113197	09/786,855
Applicant(s)	
Matsuo et al.	
Filing Date	**Group Art Unit**
March 9, 2001	2874

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	~~CLASS~~	SUBCLASS	Translation YES	Translation NO
MPR		2 331 162 A	5-12-99	United Kingdom				
		11-218633	8-10-99	Japan				
		WO 00/31573	6-2-00	PCT				
		2000-221352	8-11-00	Japan				
MPR		WO 00/52507	9-8-00	PCT				

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